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# NOTICE OF ALLOWANCE AND FEE(S) DUE

24280

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06/12/2009

CHOATE, HALL & STEWART LLP TWO INTERNATIONAL PLACE BOSTON, MA 02110 EXAMINER

MCCRACKEN, DANIEL

ART UNIT PAPER NUMBER

DATE MAILED: 06/12/2009

APPLICATION 1	O. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,140	09/30/2003	Anish Goel	0492611-0482	5719

TITLE OF INVENTION: FULLERENIC STRUCTURES AND SUCH STRUCTURES TETHERED TO CARBON MATERIALS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	09/14/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica	correspondence includir ed below or directed oth tions.	ng the Patent, advance of herwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees v spondence address	vill be ; and/o	mailed to the current r (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
24280	7590 06/12			Cer	tificate	e of Mailing or Trans	mission
CHOATE, HALL & STEWART LLP TWO INTERNATIONAL PLACE BOSTON, MA 02110			I h Sta ado trai	ereby certify that the tes Postal Service valuessed to the Mai asmitted to the USF	iis Fee( vith suf l Stop TO (57	s) Transmittal is being fficient postage for firs ISSUE FEE address (1) 273-2885, on the d	g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
10/675,140	09/30/2003		Anish Goel	0492611-0482		0492611-0482	5719
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nonprovisional	YES	\$755	\$300	\$0 <b>-</b>		\$1055	09/14/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	J			
MCCRACKE	EN, DANIEL	1793	423-44500B				
<ol> <li>Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer</li> </ol>			(1) the names of up to agents OR, alternat (2) the name of a sing registered attorney or	e of a single firm (having as a member a ttorney or agent) and the names of up to patent attorneys or agents. If no name is			
PLEASE NOTE: Unl	less an assignee is ident h in 37 CFR 3.11. Comp	ified below, no assignee	THE PATENT (print or ty data will appear on the p T a substitute for filing an (B) RESIDENCE: (CIT	patent. If an assignassignment.			ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 C	orporat	ion or other private gro	oup entity 🚨 Government
4a. The following fee(s) are submitted:  ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Dep	rd. Form PTO-2038	is atta	nched.	
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NOTE: The Issue Fee an	s SMALL ENTITY stated to Publication Fee (if required)	uired) will not be accepte	b. Applicant is no load from anyone other than				FR 1.27(g)(2). ne assignee or other party in
interest as shown by the	records of the United Sta	tes Patent and Trademark	COffice.				
Authorized Signature			Date				
Typed or printed name							
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10/675,140	09/30/2003	Anish Goel	0492611-0482 5719		
24280 75	90 06/12/2009		EXAM	INER	
CHOATE, HALI	L & STEWART LLP	MCCRACKEN, DANIEL			
TWO INTERNAT			ART UNIT	PAPER NUMBER	
BOSTON, MA 02	110		1793		
			DATE MAILED: 06/12/2009		

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	Application No.	Applicant(s)	
Notice of Allowability	10/675,140	GOEL ET AL.	
Notice of Allowability	Examiner	Art Unit	
	DANIEL C. MCCRACKEN	1793	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this ) or other appropriate communicated in this subjection is subjection is subjection is subjection.	s application. If not included ation will be mailed in due cour	se. <b>THIS</b>
1. $\square$ This communication is responsive to <u>3/5/2009</u> .			
2. X The allowed claim(s) is/are 10-13,41-46 and 51-58.			
<ul> <li>3. ☐ Acknowledgment is made of a claim for foreign priority u</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents hav</li> <li>2. ☐ Certified copies of the priority documents hav</li> </ul>	e been received.		
3. ☐ Copies of the certified copies of the priority do	• • •		from the
International Bureau (PCT Rule 17.2(a)).	souriente nave been received in	ano national otago application i	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the require	ments
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv</li> </ol>			CE OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review (F	PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
<ul><li>(b) ☐ including changes required by the attached Examiner Paper No./Mail Date</li></ul>	's Amendment / Comment or in t	he Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			k) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT</li> </ol>			the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	E Notice of Inform	nal Datant Application	
<ol> <li>Induce of References Cited (PTO-692)</li> <li>Induce of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	5. ☐ Notice of Inform 6. ☐ Interview Sumn		
<ol> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	6. ☐ Interview Surini Paper No./Mai 7. ☐ Examiner's Am	I Date	
Paper No./Mail Date			
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>		tement of Reasons for Allowan	ce
(Denial C. MaCreaker)	9. Other	.1	
/Daniel C. McCracken/ Examiner, Art Unit 1793	/Stanley Silvermar		
	Supervisory Patent	Examiner, Art Unit 1793	

#### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: Claims 10-13, 41-46 and 51-58 recite fullerenes or "fullerenic" structures chemically bonded to a carbon material, with a specific concentration on the perimeter. The prior art of record in the present application disclosed fullerenes or fullerenic structures bonded to carbon black. *See e.g.* Donnet and Burden references. Likewise, fullerenes bonded to carbon surfaces (which is all that previously presented claims required) are equally known in the literature. *See e.g.* Taylor and US 5,132,105 to Remo. The search of the prior art did not however reveal the presently claimed invention with the detail required by the claims – namely, the fullerene concentration on the surface of the carbon material.

With respect to the remaining rejections, cancellation of Claim 1 as well as all other withdrawn claims moots the rejections. Accordingly, the rejections are WITHDRAWN.

#### Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL C. MCCRACKEN whose telephone number is (571)272-6537. The examiner can normally be reached on Monday through Friday, 9 AM - 6 PM EST.

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Art Unit: 1793

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley S. Silverman can be reached on (571) 272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel C. McCracken/ Daniel C. McCracken Examiner, Art Unit 1793 DCM

/Stanley S. Silverman/ SPE, Art Unit 1793